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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/709,090	04/13/2004	Chien-Sheng Yang	12029-US-PA	3089	
31561 75	590 04/18/2006		EXAMINER		
JIANQ CHYUN INTELLECTUAL PROPERTY OFFICE 7 FLOOR-1, NO. 100			DUDEK, JAMES A		
•	ROAD, SECTION 2	•	ART UNIT	PAPER NUMBER	
TAIPEI, 100			2871		
TAIWAN		•	DATE MAILED: 04/18/2006	5 ,	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
Office Action Cumanas	10/709,090	YANG, CHIEN-SHI	ENG (A)
Office Action Summary	Examiner	Art Unit	
	James A. Dudek	2871	
The MAILING DATE of this communication apports of the second s	ears on the cover sheet with the c	correspondence add	dress
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period we Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	6(a). In no event, however, may a reply be tin within the statutory minimum of thirty (30) day ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this con D (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on	•		
·	action is non-final.		
3) Since this application is in condition for allowan	ce except for formal matters, pro	secution as to the	merits is
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.	
Disposition of Claims			
4) Claim(s) 1-21 is/are pending in the application.			
4a) Of the above claim(s) is/are withdraw	n from consideration.		
5) Claim(s) is/are allowed.		·	
6) Claim(s) 1-21 is/are rejected.	•		
7) Claim(s) is/are objected to.			
8) Claim(s) are subject to restriction and/or	election requirement.		
Application Papers			
9) The specification is objected to by the Examiner	•		
10) The drawing(s) filed on is/are: a) acce	epted or b) objected to by the I	Examiner.	
Applicant may not request that any objection to the o	drawing(s) be held in abeyance. See	e 37 CFR 1.85(a).	
Replacement drawing sheet(s) including the correcti	on is required if the drawing(s) is ob	jected to. See 37 CF	R 1.121(d).
11) The oath or declaration is objected to by the Exa	aminer. Note the attached Office	Action or form PT	O-152.
Priority under 35 U.S.C. § 119			
12)⊠ Acknowledgment is made of a claim for foreign a)⊠ All b)□ Some * c)□ None of:	priority under 35 U.S.C. § 119(a))-(d) or (f).	
1.⊠ Certified copies of the priority documents	s have been received.		
2. Certified copies of the priority documents		on No.	
3. Copies of the certified copies of the prior			Stage
application from the International Bureau	·		_
* See the attached detailed Office action for a list of	of the certified copies not receive	ed.	
Attachment(s)			
Notice of References Cited (PTO-892)	4) Interview Summary	•	
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:		-152)
		<u> </u>	

Art Unit: 2871

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-21 are rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent 5,734,449 (449).

Per claims 1, 10 and 20, 449 teaches a scan line disposed over a substrate [11]; a data line disposed over a substrate [see figure 4]; an active component [50]; a plurality of capacitance electrodes [13',17']; a pixel electrode [19] disposed over the transparent capacitance electrode and connected to the active component, the pixel and capacitance electrode forming a capacitor.

Per claim 2-3, the electrode 13' is connected via 20.

Per claim 4, the TFT is formed of amorphous or poly silicon [see column 3, lines 34-45]. 818 lacks the use of low temp poly silicon. However, it was well known to form TFTs from low temp poly silicon as the process requires less heat. Accordingly, it would have been obvious to one of ordinary skill at the time of invention to form the TFT of 818 using a low temp poly silicon process.

Per claim 8, 449 lacks the gate on bottom type TFT. However, it was well known to combine gate on bottom or substitute gate on bottom gate on top to improve the gate insulating layer and decrease pinhole in the insulating layer. Accordingly, it would have been obvious to one of ordinary skill in the art at the time of invention.

Per claim 9, 449 lacks an explicit teaching that the capacitance electrode is ITO or IZO. However, it was well known to form capacitance electrode from ITO or IZO in order to increase the aperture ratio of the cell. Accordingly, it would have been obvious to one of ordinary skill at the time of invention to form the capacitance electrode of 449 with the well known ITO.

Application/Control Number: 10/709,090

Art Unit: 2871

Conclusion

This is a RCE of applicant's earlier application. All claims are drawn to the same invention claimed in the earlier application and could have been finally rejected on the grounds and art of record in the next Office action if they had been entered in the earlier application. Accordingly, THIS ACTION IS MADE FINAL even though it is a first action in this case. See MPEP § 706.07(b). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no, however, event will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Response to Arguments

Applicant's arguments have been addressed in the advisory action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to James A. Dudek whose telephone number is 571-272-2290. The examiner can normally be reached on 9:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert H. Kim can be reached on 571-272-2293. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Application/Control Number: 10/709,090

Art Unit: 2871

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9/197 (toll-free).

James A. Dudek Primary Examiner Art Unit 2871